



2834

Attorney Docket No. P25,775 USA

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: **K. Egawa et al.**

Group Art Unit: **2834**

Application No.: **10/087,036**

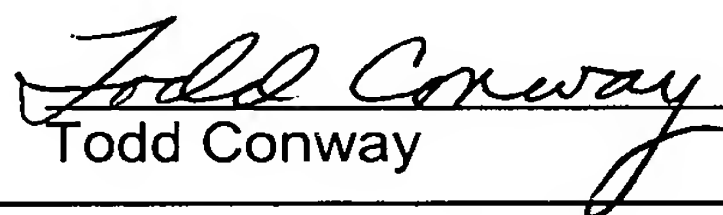
Examiner: **T. Lam**

Filing Date: **02/28/2002**

For: **CORE OF ROTATION APPARATUS,  
METHOD FOR MANUFACTURING  
CORE, AND ROTATION  
APPARATUS**

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on December 8, 2003.

  
Todd Conway

**Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**Response To Office Action of 11/06/2003**

This is in response to the Office Action dated November 6, 2003.

The amendment filed on 7/17/2003 has been alleged to be non-responsive as canceling all claims drawn to the elected invention and presenting only claims drawn to a non-elected invention. For the reasons set forth below, applicants respectfully traverse.

As a first matter, there appears to be a misunderstanding as to which claims applicants elected for examination. In their response filed 7/17/2003, applicants elected species O and stated that claims 10 - 18 and 20 - 34 are readable on species O. Applicants have not stated that claims 1 - 7 are readable on species O. Accordingly, claims 1 to 9 and 19 have been withdrawn from consideration.

Regarding elected claims 10 - 18 and 20 - 31, the examiner has not stated specifically that these claims do not read on species O. Accordingly, it is unclear if the examiner believes that these claims are not readable on species O. Applicant contends that they do read on species O.

Regarding claims 32 - 34, applicants respectfully disagree with the examiner's statement that these claims do not read on elected species O (Figs. 57-66). Figs. 57 to 61 (b) show an armature (rotor) 91 of a six-pole eight-slot direct-current motor according to a sixth embodiment of the present invention (see the specification, page 37, lines 17-22). The rotation apparatus according to claim 32 includes the six-pole eight-slot direct-current motor. Thus, claim 32 reads on the elected species O. Applicants note that the examiner has not argued against claim 17, which recites the same features as those of claim 32.

Regarding claim 33, as shown in Figs. 57 to 61 (b), an insulator 99 is attached to each tooth 98, and each of the coils 100 is wound about the insulator 99 on the corresponding tooth 98. Thus, claim 33 reads on the elected species O.

Regarding claim 34, as shown in Figs. 57 to 61 (b), when the core pieces 95, 96 are assembled, each tooth 98 of one of the core pieces 95, 96 is located between the adjacent two teeth of the other core piece. Thus claim 34 reads on the elected species O.

In the six-pole eight-slot direct-current motor as shown in Figs. 57 and 58, the

rotor receives no radial force as recited in claims 10 and 25, and the resultant of torque vectors that act on the teeth is zero as recited in claims 11 and 26 (see the specification, page 14, lines 30-35). Further, as described in the specification, page 39, lines 21-24, the outer circumference 97b of the ring 97 in each core piece 95, 96 corresponds to the first engaging portion, and the inner surfaces 98z of the teeth 98 in each core piece 95, 96 correspond to the second engaging portion. These recitations relate to the first and second engaging portions recited in claim 18 on which claims 33 and 34 depend. Therefore, applicants believe that claims 10-18 and 20-32 are readable on the elected species O.

In conclusion, for the reasons set forth above, applicants believe that claims 10 - 18 and 20 - 34 are readable on elected species O. If any issue remains regarding this matter, the undersigned requests that the examiner telephone him to discuss this matter.

Respectfully submitted,

December 8, 2003  
Date

  
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